

FIG. 4

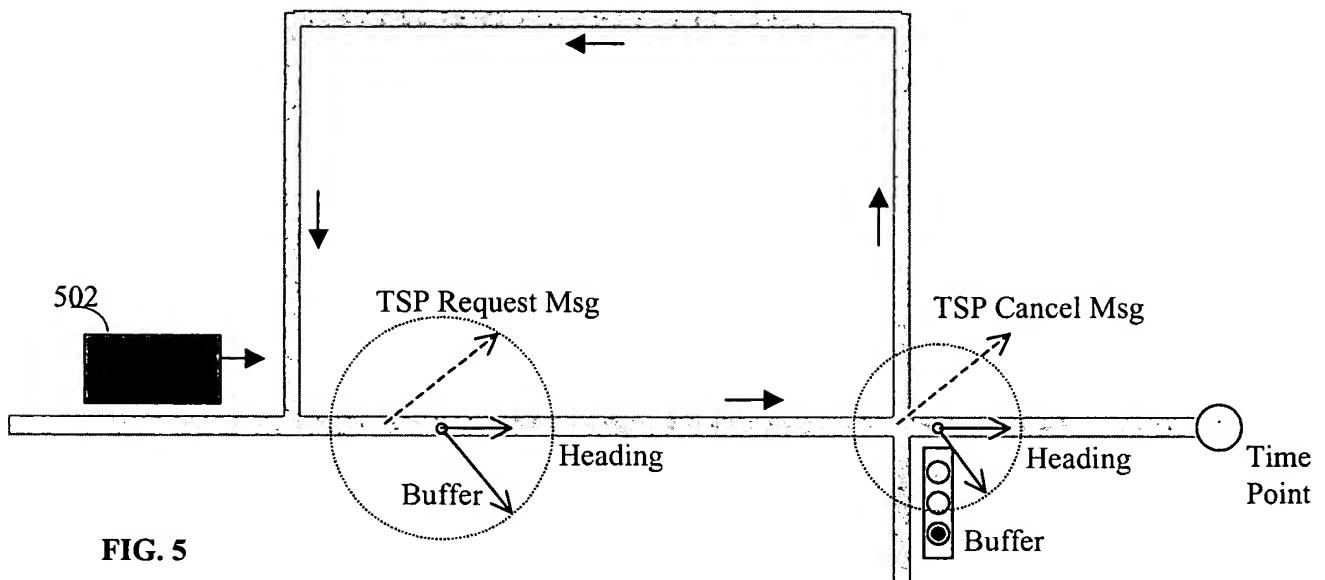


FIG. 5

MOBILE EVENT TRIGGERING FUNCTION FOR TRANSIT MANAGEMENT  
SYSTEM USING TRAFFIC SIGNAL PRIORITY

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	300	302	304	306	308	310	312	314	316	318	320	322
1	Event ID	Event Group ID	Event Seq ID	Route ID	Route Direction ID	Time Profile ID	Enable Event	Event Type ID	Event Attribute ID	Has Next Event	Timer To Next Event	Timeout Action ID
2	1	1	1	49	6	0	1	2	1	1	100	14
3	2	1	2	49	6	0	1	2	1	0	0	0
4	16	6	1	49	11	1	1	2	6	1	600	0
5	17	6	2	49	11	1	1	2	6	1	0	0
6	18	6	3	49	11	1	1	2	6	1	120	14
7	19	6	4	49	11	1	1	2	6	0	0	0

FIG. 6A

	300	324	326	328	330	332	334	336
1	Event ID	Use Location Criterion	Latitude	Longitude	Buffer Distance	Approaching Heading	Heading Deviation	Criteria Combination
2	1	1	42.33184	-71.08182	200	32	20	&
3	2	1	42.33314	-71.08084	150	27	20	&
4	16	1	42.33551	-71.07822	200	203	20	&
5	17	1	42.33624	-71.07731	120	205	20	&
6	18	0	42.33624	-71.07731	120	205	20	&
7	19	1	42.33671	-71.07670	150	207	20	&

FIG. 6B

MOBILE EVENT TRIGGERING FUNCTION FOR TRANSIT MANAGEMENT  
SYSTEM USING TRAFFIC SIGNAL PRIORITY

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	300	338	340	342	344	346
1	Event ID	Use Adherence Criterion	Time Point ID	Timepoint Adherence Threshold	Adherence Operator	Criteria Combination
2	1	1	1122	-5	<	&
3	2	0	1122	0	0	0
4	16	1	1144	-5	<	&
5	17	1	1144	-5	<	&
6	18	1	1144	-5	<	&
7	19	0	1144	0	0	0

FIG. 6C

	300	347	340a	342a	344	346
1	Event ID	Use Passenger Count Criterion	Device ID	Passenger Count Threshold	Adherence Operator	Criteria Combination
2	1	1	0	25	>	&
3	2	0	0	0	0	0
4	16	1	0	25	>	&
5	17	1	0	25	>	&
6	18	1	0	25	>	&
7	19	0	0	0	0	0

FIG. 6D

	300	348	350	352	354	355
1	Event ID	Use Vehicle Status Criterion	Status Type	Status	Condition	Criteria Combination
2	1	0	0	0	0	0
3	2	0	0	0	0	0
4	16	0	0	0	0	0
5	17	1	Door	Open	TRUE	&
6	18	1	Door	Close	TRUE	&
7	19	0	0	0	0	0

FIG. 6E

MOBILE EVENT TRIGGERING FUNCTION FOR TRANSIT MANAGEMENT  
SYSTEM USING TRAFFIC SIGNAL PRIORITY

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	300	356	358	360	362
1	Event ID	Action ID	Exit Distance	Exit After Time	Exit Action ID
2	1	13	700	50	14
3	2	14	0	0	0
4	16	0	0	0	0
5	17	0	0	0	0
6	18	0	5	2	13
7	19	14	0	0	0

FIG. 6F

	310	310A	310B	310C	310D
1	Time_Profile_ID	Service_Type_ID	Start_Time_HHMM	End_Time_HHMM	Time_Profile_Desc
2	1	1	700	900	WeekDay Peak AM
3	2	1	1600	1800	WeekDay Peak PM
4	3	2	900	1000	Saturday Peak AM
5	4	2	1700	2000	Saturday Peak PM
6	5	3	800	1000	Sunday Peak AM
7	6	7	630	830	School Day AM

FIG. 7

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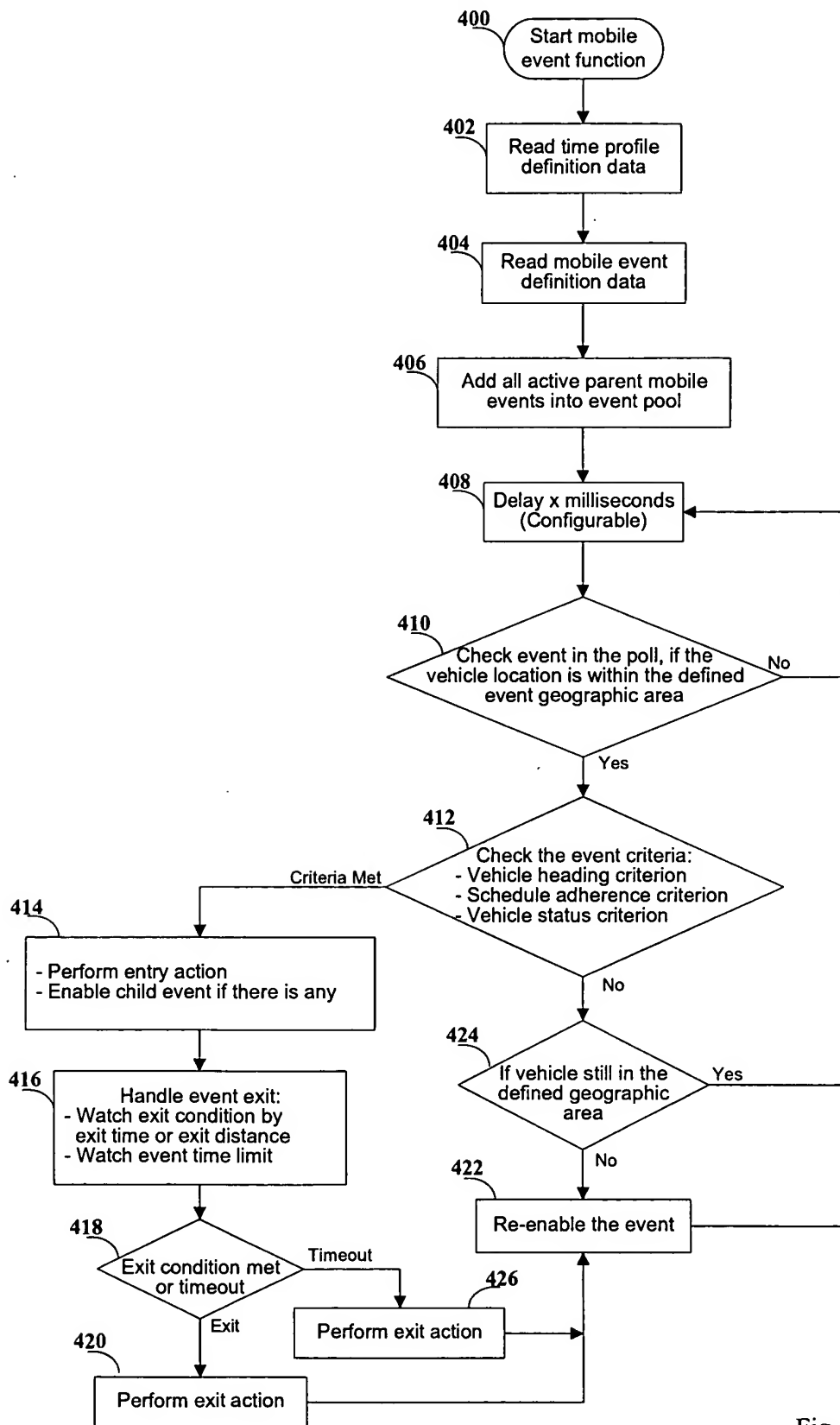
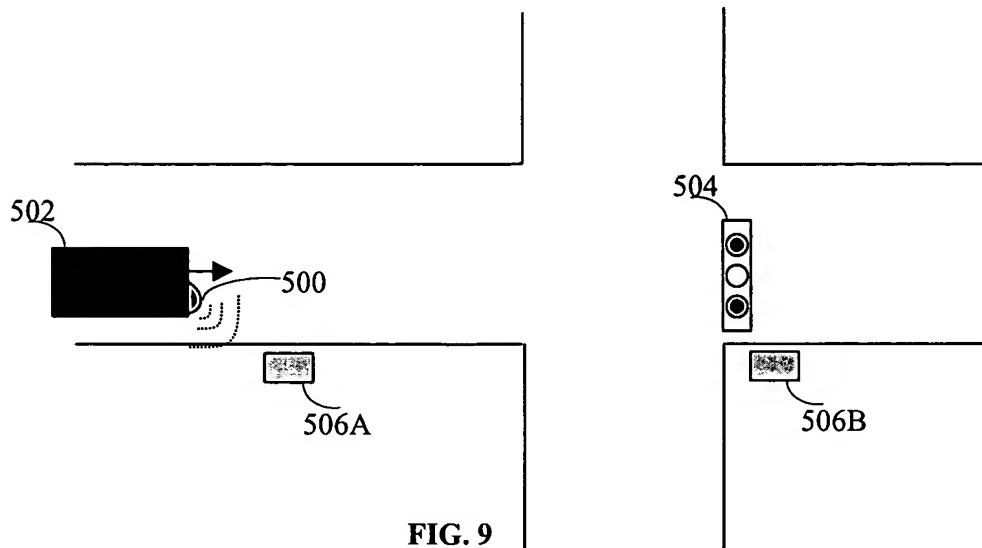


Fig. 8



1	Event Action ID	Emitter Discrete State	Comments
2	100	00	No TSP
3	101	01	Lowest TSP Request
4	102	10	Medium TSP Request
5	103	11	Highest TSP Request
6	104	Auto	Default Emitter State in Mobile Configure

**FIG. 10**

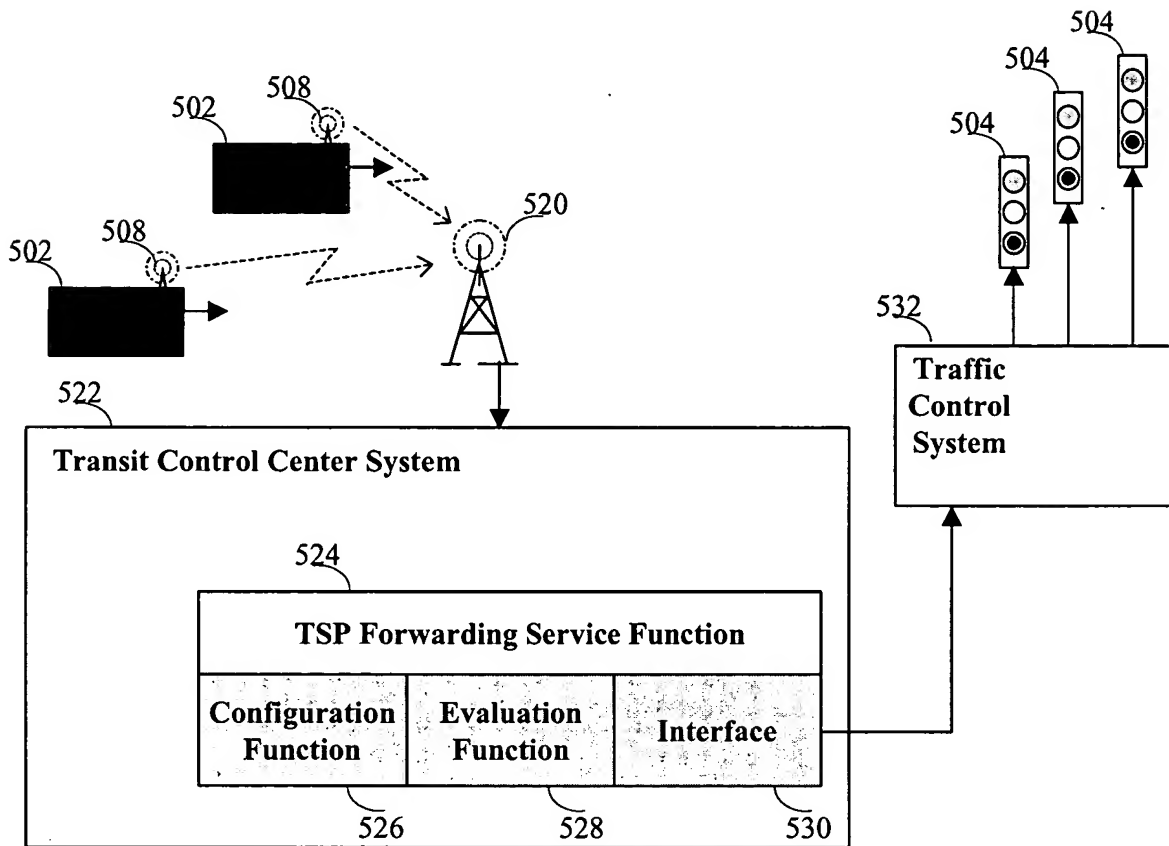


FIG. 11

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